



CARPC Resolution No. 2017-21

**Recommending to the Wisconsin Department of Natural Resources Amendment of the
Dane County Water Quality Management Plan by Revising the
Sewer Service Area Boundary and Environmental Corridors
in the Waunakee Urban Service Area**

WHEREAS, the Capital Area Regional Planning Commission (CARPC) is a duly created regional planning commission under Wis. Stat. § 66.0309; and

WHEREAS, the CARPC has an agreement with the Wisconsin Department of Natural Resources (WDNR) to provide water quality management planning assistance to the WDNR; and

WHEREAS, the CARPC has adopted, reaffirmed, and recommended amendment of the *Water Quality Management Plan for Dane County*; and

WHEREAS, said plan delineates urban and limited service areas and environmental corridors as amended through December 1, 2017; and

WHEREAS, the Village of Waunakee has requested an addition to the Waunakee Urban Service Area; and

WHEREAS, a staff analysis of the proposed amendment has been prepared, which indicates that the amendment is consistent with the water quality standards under Wis. Stat. § 281.15.

NOW, THEREFORE, BE IT RESOLVED that in accordance with Wis. Stat. § 66.0309, and Sec. 208 of Public Law 92-500, the Capital Area Regional Planning Commission recommends the amendment of the *Dane County Water Quality Management Plan* by revising the Waunakee Urban Service Area boundaries as shown on the attached map.

The recommendation for approval of this amendment is based on the proposal submitted by the Village of Waunakee and conditioned on the continued commitment of the Village to pursuing the following:

1. Submit a detailed stormwater management plan for Regional Planning Commission staff review and approval (in conjunction with DCL&WCD staff) prior to any land disturbing activities in the amendment area. The stormwater management plan shall include the following:
 - a. Install stormwater and erosion control practices prior to other land disturbing activities. Protect infiltration practices from compaction and sedimentation during land disturbing activities.
 - b. Control peak rates of runoff for the 1-, 2-, 10-, and 100-year 24-hour design storms to pre-development levels, in accordance with the Dane County Stormwater Ordinance.
 - c. Provide at least 80% sediment control for the amendment area based on the 1-year, 24-hour design storm, with a minimum of 60% of that control occurring in a retention pond prior to infiltration, in accordance with the Dane County Stormwater Ordinance.

- d. Maintain the post development stay-on volume to at least 90% of the pre-development stay-on volume for the one-year average annual rainfall period, in accordance with the Dane County Stormwater Ordinance.
 - e. Infiltrate 100% of the increased post-development runoff volume from the 100-year, 24-hour design storm in accordance with the Town of Westport Stormwater Ordinance.
 - f. Maintain pre-development groundwater recharge rates from the Wisconsin Geological and Natural History Survey's 2012 report, *Groundwater Recharge in Dane County, Wisconsin, Estimated by a GIS-Based Water-Balance Model* (a range of 9 to 10 inches/year for the amendment area) or by a site specific analysis, in accordance with the Dane County Stormwater Ordinance.
2. Conduct a field verification for areas of the development site considered suitable for infiltration including a site assessment for karst features as required by the Wisconsin Department of Natural Resources Conservation Practice Standard 1002 - Site Evaluation for Stormwater Infiltration.
 3. Stormwater management facilities shall be placed in public outlots whenever feasible and designated as environmental corridor. Easements and perpetual legal maintenance agreements with the Village, to allow the Village to maintain stormwater management facilities if owners fail to do so, shall be provided for any facilities located on private property.
 4. Conduct a wetland delineation and assessment report using the Wisconsin Wetland Rapid Assessment Methodology for wetland condition and function and the Floristic Quality Assessment for plant community condition. Submit the report for Regional Planning Commission staff and DNR review.
 5. Delineate environmental corridors to include the wetlands, associated buffers, and stormwater management areas to meet Dane County Water Quality Plan criteria for the delineation of environmental corridors. Submit plats showing environmental corridors for Regional Planning Commission staff review and approval prior to recording. Any environmental corridor on private property shall be protected by deed restrictions and neighborhood covenants.
 6. Conduct flow monitoring of the Blue Ridge Pumping Station and downstream sanitary sewer to develop a capital improvement plan for additional capacity as needed.

It is also recommended that the Village of Waunakee pursue the following:

1. Require an archaeological survey be performed by a qualified archaeologist for the amendment area as recommended by the Wisconsin Historical Society and take necessary protection measures if artifacts are found.
2. Request a formal Endangered Resources Review by the WDNR or one of their certified reviewers for potential impacts to endangered resources like rare plants, animals and natural communities and take necessary habitat protection measures if species are found.
3. Encourage the responsible use of deicers as part of the WI Salt Wise Partnership.
4. Develop and implement a wetland restoration plan for the wetland on the site to improve the ecosystem service provided by the wetland and create a natural amenity for the development and the community.
5. Develop and implement a water loss control plan as required by PSC 185.85(4)(b)
6. Work with Regional Planning Commission staff to develop a long term water supply plan for the Village using the regional groundwater model.
7. Collaborate with the Town of Westport, Dane County, CARPC, and other stakeholders to develop a natural resource management plan for the North Mendota Natural Resource Area.

8. Consider using mowed vegetation, mulch, or permeable pavement for the ridge trail surface where appropriate based on site conditions and planned uses.
9. Participate in the Green Tier Clear Waters Initiative, which aims to reduce the sediment and nutrient delivery to Dane County's lakes and streams from construction activities, beyond the current state and local requirements.

December 14, 2017

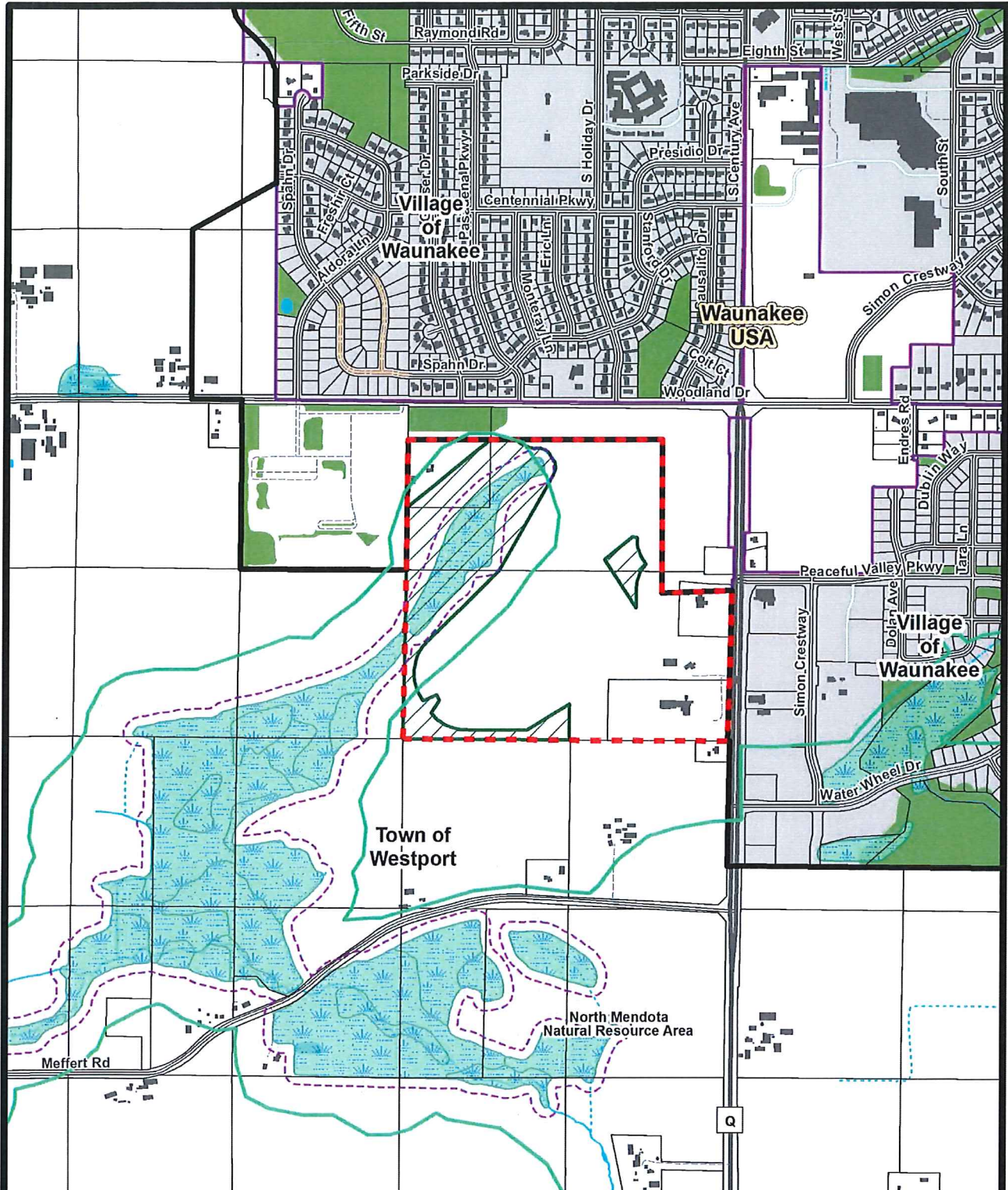
Date Adopted



Larry Palm, Chairperson



Kris Hampton, Secretary



Map 1 Amendment Area

Proposed Amendment to the
Dane County Water Quality Plan, Revising
the Waunakee Urban Service Area
Boundary and Environmental Corridors

- Service Area to be Added (124.8 acres)
- Existing Service Area
- Environmental Corridor to be Added (32.8 acres)
- Existing Environmental Corridors
- Natural Resource Area Boundary
- 75' Wetland Buffer

Date: 11/27/2017

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Prepared by staff
of the CARPC.